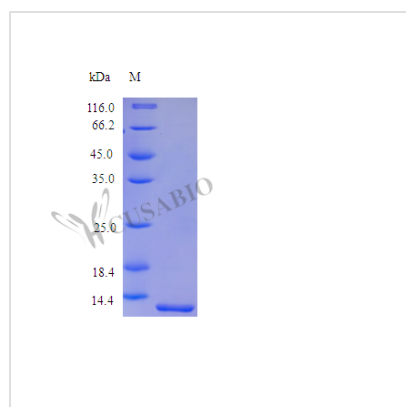




Recombinant Human Melanoma-derived growth regulatory protein (MIA)

Product Code	CSB-AP000431HU
Abbreviation	Recombinant Human MIA protein (Active)
Uniprot No.	Q16674
Storage Buffer	0.2 μ m filtered concentrated solution in PBS, pH 7.4, with 5 % Trehalose, lyophilized
Product Type	Others
Immunogen Species	Homo sapiens (Human)
Biological Activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using human A375 cell line is less than 5 μ g/ml, corresponding to a specific activity of >200 IU/mg.
Purity	>98% as determined by SDS-PAGE.
Sequence	GPMPKLADRK LCADQECSTP ISMAVALQDY MAPDCRFLTI HRGQVVYVFS KLKGRGRFLFW GGSVQGDYYG DLAARLGYFP SSIVREDQTL KPGKVDVKTD KWDFYCQ
Research Area	Immunology
Source	E.Coli
Target Names	MIA
Expression Region	25-131aa
Tag Info	Tag-Free
Mol. Weight	12.1 kDa
Protein Length	Full Length of Mature Protein
PubMed ID	7923218; 8550608; 12230496; 15489334; 15340161; 19807924; 22419821; 11331761

Image





Description

The Recombinant Human MIA is a full-length, melanoma-derived growth regulatory protein encompassing the 25-131aa expression region. Manufactured in E. Coli, this protein is vital for immunology research. As a tag-free protein, MIA exhibits a purity of over 98%, as verified by SDS-PAGE and HPLC. Endotoxin levels are maintained below 1.0 EU/μg, as determined using the LAL method. MIA is fully biologically active, with an ED₅₀ value of less than 5 μg/mL in a cell proliferation assay involving the human A375 cell line, indicating a specific activity of more than 200 IU/mg. The lyophilized powder form allows for straightforward storage and usage in a range of research applications.

Endotoxin

Less than 1.0 EU/μg as determined by LAL method.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.